



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/618,102
Source: OIPK
Date Processed by STIC: 2/28/2003

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efb/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003



OIIPE

RAW SEQUENCE LISTING

DATE: 07/28/2003

PATENT APPLICATION: US/10/618,102

TIME: 13:06:35

Input Set : E:\Utsc755.app

Output Set: N:\CRF4\07282003\J618102.raw

3 <110> APPLICANT: LIN, EDWARD H.
 4 WU, XIFENG
 5 XIE, KEPING
 7 <120> TITLE OF INVENTION: QUANTITATIVE RT-PCR TO AC133 TO DIAGNOSE CANCER AND
 8 MONITOR ANGIOGENIC ACTIVITY IN A CELL SAMPLE
 10 <130> FILE REFERENCE: UTSC:755US
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/618,102
 13 <141> CURRENT FILING DATE: 2003-07-11
 15 <150> PRIOR APPLICATION NUMBER: 60/406,535
 16 <151> PRIOR FILING DATE: 2002-08-28
 18 <160> NUMBER OF SEQ ID NOS: 14
 20 <170> SOFTWARE: PatentIn Ver. 2.1
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 31
 24 <212> TYPE: DNA
 25 <213> ORGANISM: Artificial Sequence
 27 <220> FEATURE:
 28 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 29 Primer
 31 <400> SEQUENCE: 1
 32 tgtacgaatt cgacagctac ttggctcaga c 31
 35 <210> SEQ ID NO: 2
 36 <211> LENGTH: 30
 37 <212> TYPE: DNA
 38 <213> ORGANISM: Artificial Sequence
 40 <220> FEATURE:
 41 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 42 Primer
 44 <400> SEQUENCE: 2
 45 tctagctcga gcatgatctt tatgataacc 30
 48 <210> SEQ ID NO: 3
 49 <211> LENGTH: 3794
 50 <212> TYPE: DNA
 51 <213> ORGANISM: Homo sapiens
 53 <220> FEATURE:
 54 <221> NAME/KEY: CDS
 55 <222> LOCATION: (38)..(2635)
 57 <400> SEQUENCE: 3
 58 ccaagttcta cctcatgttt ggaggatctt gctagct atg gcc ctc gta ctc ggc 55
 59 Met Ala Leu Val Leu Gly
 60 1 5
 62 tcc ctg ttg ctg ctg ggg ctg tgc ggg aac tcc ttt tca gga ggg cag 103
 63 Ser Leu Leu Leu Leu Gly Leu Cys Gly Asn Ser Phe Ser Gly Gly Gln

pr 6-7

**Does Not Comply
Corrected Diskette Needed**

RAW SEQUENCE LISTING

DATE: 07/28/2003

PATENT APPLICATION: US/10/618,102

TIME: 13:06:35

Input Set : E:\Utsc755.app

Output Set: N:\CRF4\07282003\J618102.raw

64	10	15	20	
66	cct tca tcc	aca gat gct cct aag gct tgg aat tat	gaa ttg cct gca	151
67	Pro Ser Ser	Thr Asp Ala Pro Lys Ala Trp Asn Tyr	Glu Leu Pro Ala	
68	25	30	35	
70	aca aat tat	gag acc caa gac tcc cat aaa gct gga ccc att ggc att	199	
71	Thr Asn Tyr	Glu Thr Gln Asp Ser His Lys Ala Gly Pro Ile Gly Ile		
72	40	45	50	
74	ctc ttt gaa	cta gtg cat atc ttt ctc tat gtg gta cag ccg cgt gat	247	
75	Leu Phe Glu	Leu Val His Ile Phe Leu Tyr Val Val Gln Pro Arg Asp		
76	55	60	65	70
78	ttc cca gaa	gat act ttg aga aaa ttc tta cag aag gca tat gaa tcc	295	
79	Phe Pro Glu	Asp Thr Leu Arg Lys Phe Leu Gln Lys Ala Tyr Glu Ser		
80	75	80	85	
82	aaa att gat	tat gac aag cca gaa act gta atc tta ggt cta aag att	343	
83	Lys Ile Asp	Tyr Asp Lys Pro Glu Thr Val Ile Leu Gly Leu Lys Ile		
84	90	95	100	
86	gtc tac tat	gaa gca ggg att att cta tgc tgt gtc ctg ggg ctg ctg	391	
87	Val Tyr Tyr	Glu Ala Gly Ile Ile Leu Cys Cys Val Leu Gly Leu Leu		
88	105	110	115	
90	ttt att att	ctg atg cct ctg gtg ggg tat ttc ttt tgt atg tgt cgt	439	
91	Phe Ile Ile	Leu Met Pro Leu Val Gly Tyr Phe Phe Cys Met Cys Arg		
92	120	125	130	
94	tgc tgt aac	aaa tgt ggt gga gaa atg cac cag cga cag aag gaa aat	487	
95	Cys Cys Asn	Lys Cys Gly Gly Glu Met His Gln Arg Gln Lys Glu Asn		
96	135	140	145	150
98	ggg ccc ttc	ctg agg aaa tgc ttt gca atc tcc ctg ttg gtg att tgt	535	
99	Gly Pro Phe	Leu Arg Lys Cys Phe Ala Ile Ser Leu Leu Val Ile Cys		
100	155	160	165	
102	ata ata ata	agc att ggc atc ttc tat ggt ttt gtg gca aat cac cag	583	
103	Ile Ile Ile	Ser Ile Gly Ile Phe Tyr Gly Phe Val Ala Asn His Gln		
104	170	175	180	
106	gta aga acc	cgg atc aaa agg agt cgg aaa ctg gca gat agc aat ttc	631	
107	Val Arg Thr	Arg Ile Lys Arg Ser Arg Lys Leu Ala Asp Ser Asn Phe		
108	185	190	195	
110	aag gac ttg	cga act ctc ttg aat gaa act cca gag caa atc aaa tat	679	
111	Lys Asp Leu	Arg Thr Leu Leu Asn Glu Thr Pro Glu Gln Ile Lys Tyr		
112	200	205	210	
114	ata ttg gcc	cag tac aac act acc aag gac aag gcg ttc aca gat ctg	727	
115	Ile Leu Ala	Gln Tyr Asn Thr Thr Lys Asp Lys Ala Phe Thr Asp Leu		
116	215	220	225	230
118	aac agt atc	aat tca gtg cta gga ggc gga att ctt gac cga ctg aga	775	
119	Asn Ser Ile	Asn Ser Val Leu Gly Gly Gly Ile Leu Asp Arg Leu Arg		
120	235	240	245	
122	ccc aac atc	atc cct gtt ctt gat gag att aag tcc atg gca aca gcg	823	
123	Pro Asn Ile	Ile Pro Val Leu Asp Glu Ile Lys Ser Met Ala Thr Ala		
124	250	255	260	
126	atc aag gag	acc aaa gag gcg ttg gag aac atg aac agc acc ttg aag	871	
127	Ile Lys Glu	Thr Lys Glu Ala Leu Glu Asn Met Asn Ser Thr Leu Lys		
128	265	270	275	

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/618,102

DATE: 07/28/2003

TIME: 13:06:35

Input Set : E:\Utsc755.app

Output Set: N:\CRF4\07282003\J618102.raw

130	agc	ttg	cac	caa	caa	agt	aca	cag	ctt	agc	agc	agt	ctg	acc	agc	gtg	919
131	Ser	Leu	His	Gln	Gln	Ser	Thr	Gln	Leu	Ser	Ser	Ser	Leu	Thr	Ser	Val	
132		280					285					290					
134	aaa	act	agc	ctg	cgg	tca	tct	ctc	aat	gac	cct	ctg	tgc	ttg	gtg	cat	967
135	Lys	Thr	Ser	Leu	Arg	Ser	Ser	Leu	Asn	Asp	Pro	Leu	Cys	Leu	Val	His	
136	295					300				305						310	
138	cca	tca	agt	gaa	acc	tgc	aac	agc	atc	aga	ttg	tct	cta	agc	cag	ctg	1015
139	Pro	Ser	Ser	Glu	Thr	Cys	Asn	Ser	Ile	Arg	Leu	Ser	Leu	Ser	Gln	Leu	
140				315						320					325		
142	aat	agc	aac	cct	gaa	ctg	agg	cag	ctt	cca	ccc	gtg	gat	gca	gaa	ctt	1063
143	Asn	Ser	Asn	Pro	Glu	Leu	Arg	Gln	Leu	Pro	Pro	Val	Asp	Ala	Glu	Leu	
144				330					335					340			
146	gac	aac	gtt	aat	aac	gtt	ctt	agg	aca	gat	ttg	gat	ggc	ctg	gtc	caa	1111
147	Asp	Asn	Val	Asn	Asn	Val	Leu	Arg	Thr	Asp	Leu	Asp	Gly	Leu	Val	Gln	
148		345					350						355				
150	cag	ggc	tat	caa	tcc	ctt	aat	gat	ata	cct	gac	aga	gta	caa	cgc	caa	1159
151	Gln	Gly	Tyr	Gln	Ser	Leu	Asn	Asp	Ile	Pro	Asp	Arg	Val	Gln	Arg	Gln	
152	360					365						370					
154	acc	acg	act	gtc	gta	gca	ggg	atc	aaa	agg	gtc	ttg	aat	tcc	att	ggg	1207
155	Thr	Thr	Thr	Val	Val	Ala	Gly	Ile	Lys	Arg	Val	Leu	Asn	Ser	Ile	Gly	
156	375					380					385					390	
158	tca	gat	atc	gac	aat	gta	act	cag	cgt	ctt	cct	att	cag	gat	ata	ctc	1255
159	Ser	Asp	Ile	Asp	Asn	Val	Thr	Gln	Arg	Leu	Pro	Ile	Gln	Asp	Ile	Leu	
160				395						400					405		
162	tca	gca	ttc	tct	gtt	tat	gtt	aat	aac	act	gaa	agt	tac	atc	cac	aga	1303
163	Ser	Ala	Phe	Ser	Val	Tyr	Val	Asn	Asn	Thr	Glu	Ser	Tyr	Ile	His	Arg	
164			410					415						420			
166	aat	tta	cct	aca	ttg	gaa	gag	tat	gat	tca	tac	tgg	tgg	ctg	ggg	ggc	1351
167	Asn	Leu	Pro	Thr	Leu	Glu	Glu	Tyr	Asp	Ser	Tyr	Trp	Trp	Leu	Gly	Gly	
168		425						430					435				
170	ctg	gtc	atc	tgc	tct	ctg	ctg	acc	ctc	atc	gtg	att	ttt	tac	tac	ctg	1399
171	Leu	Val	Ile	Cys	Ser	Leu	Leu	Thr	Leu	Ile	Val	Ile	Phe	Tyr	Tyr	Leu	
172	440						445					450					
174	ggc	tta	ctg	tgt	ggc	gtg	tgc	ggc	tat	gac	agg	cat	gcc	acc	ccg	acc	1447
175	Gly	Leu	Leu	Cys	Gly	Val	Cys	Gly	Tyr	Asp	Arg	His	Ala	Thr	Pro	Thr	
176	455				460					465						470	
178	acc	cga	ggc	tgt	gtc	tcc	aac	acc	gga	ggc	gtc	ttc	ctc	atg	gtt	gga	1495
179	Thr	Arg	Gly	Cys	Val	Ser	Asn	Thr	Gly	Gly	Val	Phe	Leu	Met	Val	Gly	
180				475						480					485		
182	gtt	gga	tta	agt	ttc	ctc	ttt	tgc	tgg	ata	ttg	atg	atc	att	gtg	gtt	1543
183	Val	Gly	Leu	Ser	Phe	Leu	Phe	Cys	Trp	Ile	Leu	Met	Ile	Ile	Val	Val	
184				490					495					500			
186	ctt	acc	ttt	gtc	ttt	ggg	gca	aat	gtg	gaa	aaa	ctg	atc	tgt	gaa	cct	1591
187	Leu	Thr	Phe	Val	Phe	Gly	Ala	Asn	Val	Glu	Lys	Leu	Ile	Cys	Glu	Pro	
188		505						510					515				
190	tac	acg	agc	aag	gaa	tta	ttc	cgg	gtt	ttg	gat	aca	ccc	tac	tta	cta	1639
191	Tyr	Thr	Ser	Lys	Glu	Leu	Phe	Arg	Val	Leu	Asp	Thr	Pro	Tyr	Leu	Leu	
192	520						525					530					
194	aat	gaa	gac	tgg	gaa	tac	tat	ctc	tct	ggg	aag	cta	ttt	aat	aaa	tca	1687

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/618,102

DATE: 07/28/2003

TIME: 13:06:35

Input Set : E:\Utsc755.app

Output Set: N:\CRF4\07282003\J618102.raw

195	Asn	Glu	Asp	Trp	Glu	Tyr	Tyr	Leu	Ser	Gly	Lys	Leu	Phe	Asn	Lys	Ser	
196	535					540					545					550	
198	aaa	atg	aag	ctc	act	ttt	gaa	caa	gtt	tac	agt	gac	tgc	aaa	aaa	aat	1735
199	Lys	Met	Lys	Leu	Thr	Phe	Glu	Gln	Val	Tyr	Ser	Asp	Cys	Lys	Lys	Asn	
200					555					560						565	
202	aga	ggc	act	tac	ggc	act	ctt	cac	ctg	cag	aac	agc	ttc	aat	atc	agt	1783
203	Arg	Gly	Thr	Tyr	Gly	Thr	Leu	His	Leu	Gln	Asn	Ser	Phe	Asn	Ile	Ser	
204				570						575						580	
206	gaa	cat	ctc	aac	att	aat	gag	cat	act	gga	agc	ata	agc	agt	gaa	ttg	1831
207	Glu	His	Leu	Asn	Ile	Asn	Glu	His	Thr	Gly	Ser	Ile	Ser	Ser	Glu	Leu	
208				585					590							595	
210	gaa	agt	ctg	aag	gta	aat	ctt	aat	atc	ttt	ctg	ttg	ggt	gca	gca	gga	1879
211	Glu	Ser	Leu	Lys	Val	Asn	Leu	Asn	Ile	Phe	Leu	Leu	Gly	Ala	Ala	Gly	
212		600					605						610				
214	aga	aaa	aac	ctt	cag	gat	ttt	gct	gct	tgt	gga	ata	gac	aga	atg	aat	1927
215	Arg	Lys	Asn	Leu	Gln	Asp	Phe	Ala	Ala	Cys	Gly	Ile	Asp	Arg	Met	Asn	
216	615					620					625					630	
218	tat	gac	agc	tac	ttg	gct	cag	act	ggg	aaa	tcc	ccc	gca	gga	gtg	aat	1975
219	Tyr	Asp	Ser	Tyr	Leu	Ala	Gln	Thr	Gly	Lys	Ser	Pro	Ala	Gly	Val	Asn	
220				635						640						645	
222	ctt	tta	tca	ttt	gca	tat	gat	cta	gaa	gca	aaa	gca	aac	agt	ttg	ccc	2023
223	Leu	Leu	Ser	Phe	Ala	Tyr	Asp	Leu	Glu	Ala	Lys	Ala	Asn	Ser	Leu	Pro	
224				650					655							660	
226	cca	gga	aat	ttg	agg	aac	tcc	ctg	aaa	aga	gat	gca	caa	act	att	aaa	2071
227	Pro	Gly	Asn	Leu	Arg	Asn	Ser	Leu	Lys	Arg	Asp	Ala	Gln	Thr	Ile	Lys	
228			665					670						675			
230	aca	att	cac	cag	caa	cga	gtc	ctt	cct	ata	gaa	caa	tca	ctg	agc	act	2119
231	Thr	Ile	His	Gln	Gln	Arg	Val	Leu	Pro	Ile	Glu	Gln	Ser	Leu	Ser	Thr	
232		680					685							690			
234	cta	tac	caa	agc	gtc	aag	ata	ctt	caa	cgc	aca	ggg	aat	gga	ttg	ttg	2167
235	Leu	Tyr	Gln	Ser	Val	Lys	Ile	Leu	Gln	Arg	Thr	Gly	Asn	Gly	Leu	Leu	
236	695					700					705					710	
238	gag	aga	gta	act	agg	att	cta	gct	tct	ctg	gat	ttt	gct	cag	aac	ttc	2215
239	Glu	Arg	Val	Thr	Arg	Ile	Leu	Ala	Ser	Leu	Asp	Phe	Ala	Gln	Asn	Phe	
240				715						720						725	
242	atc	aca	aac	aat	act	tcc	tct	gtt	att	att	gag	gaa	act	aag	aag	tat	2263
243	Ile	Thr	Asn	Asn	Thr	Ser	Ser	Val	Ile	Ile	Glu	Glu	Thr	Lys	Lys	Tyr	
244				730					735							740	
246	ggg	aga	aca	ata	ata	gga	tat	ttt	gaa	cat	tat	ctg	cag	tgg	atc	gag	2311
247	Gly	Arg	Thr	Ile	Ile	Gly	Tyr	Phe	Glu	His	Tyr	Leu	Gln	Trp	Ile	Glu	
248			745					750								755	
250	ttc	tct	atc	agt	gag	aaa	gtg	gca	tcg	tgc	aaa	cct	gtg	gcc	acc	gct	2359
251	Phe	Ser	Ile	Ser	Glu	Lys	Val	Ala	Ser	Cys	Lys	Pro	Val	Ala	Thr	Ala	
252			760					765								770	
254	cta	gat	act	gct	gtt	gat	gtc	ttt	ctg	tgt	agc	tac	att	atc	gac	ccc	2407
255	Leu	Asp	Thr	Ala	Val	Asp	Val	Phe	Leu	Cys	Ser	Tyr	Ile	Ile	Asp	Pro	
256	775					780					785					790	
258	ttg	aat	ttg	ttt	tgg	ttt	ggc	ata	gga	aaa	gct	act	gta	ttt	tta	ctt	2455
259	Leu	Asn	Leu	Phe	Trp	Phe	Gly	Ile	Gly	Lys	Ala	Thr	Val	Phe	Leu	Leu	

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/618,102

DATE: 07/28/2003

TIME: 13:06:35

Input Set : E:\Utsc755.app

Output Set: N:\CRF4\07282003\J618102.raw

```

260          795          800          805
262 ccg gct cta att ttt gcg gta aaa ctg gct aag tac tat cgt cga atg 2503
263 Pro Ala Leu Ile Phe Ala Val Lys Leu Ala Lys Tyr Tyr Arg Arg Met
264          810          815          820
266 gat tcg gag gac gtg tac gat gat gtt gaa act ata ccc atg aaa aat 2551
267 Asp Ser Glu Asp Val Tyr Asp Asp Val Glu Thr Ile Pro Met Lys Asn
268          825          830          835
270 atg gaa aat ggt aat aat ggt tat cat aaa gat cat gta tat ggt att 2599
271 Met Glu Asn Gly Asn Asn Gly Tyr His Lys Asp His Val Tyr Gly Ile
272          840          845          850
274 cac aat cct gtt atg aca agc cca tca caa cat tga tagctgatgt 2645
275 His Asn Pro Val Met Thr Ser Pro Ser Gln His
276 855          860          865
278 tgaaactgct tgagcatcag gatactcaaa gtggaaaggga tcacagattt ttggtagttt 2705
280 ctgggtctac aaggactttc caaatccagg agcaacgccca gtggcaacgt agtgactcag 2765
282 gcgggcacca aggcaacggc accattggtc tctgggtagt gctttaagaa tgaacacaat 2825
284 caggttatag tccatggtcc atcactattc aaggatgact ccctcccttc ctgtctattt 2885
286 ttgtttttta cttttttaca ctgagtttct atttagacac tacaacatat ggggtgtttg 2945
288 ttcccattgg atgcatttct atcaaaactc tatcaaatgt gatggctaga ttctaacata 3005
290 ttgccatgtg tggagtgtgc tgaacacaca ccagtttaca ggaaagatgc attttgtgta 3065
292 cagtaaacgg tgtatatacc ttttgttacc acagagtttt ttaaacaaat gagtattata 3125
294 ggacttttct ctaaattgagc taaataagtc accattgact tcttggtgct gttgaaaata 3185
296 atccattttc actaaaagtg tgtgaaacct acagcatatt cttcacgcag agattttcat 3245
298 ctattatact ttatcaaaga ttggccatgt tccacttggg aatggcatgc aaaagccatc 3305
300 atagagaaac ctgcgtaact ccatctgaca aattcaaaag agagagagag atcttgagag 3365
302 agaaatgctg ttctgttcaa agtgaggattg ttttaacaga tgccaattac ggtgtacagt 3425
304 ttaacagagt tttctgttgc attaggataa acattaattg gagtgcagct aacatgagta 3485
306 tcatcagact agtatcaagt gttctaataa gaaatatgag aagatcctgt cacaattctt 3545
308 agatctggtg tccagcatgg atgaaacctt tgagtttggc ccctaaattt gcatgaaagc 3605
310 acaaggtaaa tattcatttg cttcaggagt ttcatgttgg atctgtcatt atcaaaagtg 3665
312 atcagcaatg aagaactggc cggacaaaat ttaacgttga tgtaatggaa ttccagatgt 3725
314 aggcatcccc ccaggttctt ttcatgtgca gattgcagtt ctgattcatt tgaataaaaa 3785
316 ggaacttgg 3794
319 <210> SEQ ID NO: 4
320 <211> LENGTH: 865
321 <212> TYPE: PRT
322 <213> ORGANISM: Homo sapiens
324 <400> SEQUENCE: 4
325 Met Ala Leu Val Leu Gly Ser Leu Leu Leu Gly Leu Cys Gly Asn
326 1 5 10 15
327 Ser Phe Ser Gly Gln Pro Ser Ser Thr Asp Ala Pro Lys Ala Trp
328 20 25 30
329 Asn Tyr Glu Leu Pro Ala Thr Asn Tyr Glu Thr Gln Asp Ser His Lys
330 35 40 45
331 Ala Gly Pro Ile Gly Ile Leu Phe Glu Leu Val His Ile Phe Leu Tyr
332 50 55 60
333 Val Val Gln Pro Arg Asp Phe Pro Glu Asp Thr Leu Arg Lys Phe Leu
334 65 70 75 80
335 Gln Lys Ala Tyr Glu Ser Lys Ile Asp Tyr Asp Lys Pro Glu Thr Val

```

10/6/8,102

6

<210> SEQ ID NO 5

<211> LENGTH: 20

<212> TYPE: DNA

<213> ORGANISM: Artificial Sequence

<220> FEATURE:

<223> OTHER INFORMATION:

<400> SEQUENCE: 5

agccttcac cacagatgct

see p. 7 for error explanation

20

7

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/618,102

DATE: 07/28/2003
TIME: 13:06:36

Input Set : E:\Utsc755.app
Output Set: N:\CRF4\07282003\J618102.raw

Use of <220> Feature (NEW RULES):

Sequence(s) are missing the <220> Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence" or "Unknown". Please explain source of genetic material in <220> to <223> section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32) (Sec.1.823 of new Rules)

Seq#:5

error explanation

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/618,102

DATE: 07/28/2003

TIME: 13:06:36

Input Set : E:\Utsc755.app

Output Set: N:\CRF4\07282003\J618102.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number

L:443 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:5, <213>

ORGANISM:Artificial Sequence

L:443 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:5, <213>

ORGANISM:Artificial Sequence

L:443 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:5, Line#:443